

## Complete BOC: ASCP prep

1) Following overnight fasting, hypoglycemia in adults is defined as a glucose of:

- a. <70 mg/dL (<3.9 mmol/L)
- b. <60 mg/dL (<3.3 mmol/L)
- c. <55 mg/dL (<3.0 mmol/L)
- d. <45 mg/dL (<2.5 mmol/L) - ✓✓d (Diagnosis of hypoglycemia in adults.)

3) The preparation of a patient for standard glucose tolerance testing should include:

- a. a high carbohydrate diet for 3 days
- b. a low carbohydrate diet for 3 days
- c. fasting for 48 hrs. prior to testing
- d. bed rest for 3 days - ✓✓a (GTT diet preparation.)

4) If a fasting glucose was 90 mg/dL, which of the following 2 hr. postprandial glucose result would most closely represent normal glucose metabolism?

- a. 55 mg/dL (3.0 mmol/L)
- b. 100 mg/dL (5.5 mmol/L)
- c. 180 mg/dL (9.9 mmol/L)
- d. 260 mg/dL (14.3 mmol/L) - ✓✓b (Normal 2 hour postprandial value.)

5) A healthy person with a blood glucose of 80 mg/dL (4.4 mmol/L) would have a simultaneously determined cerebrospinal fluid glucose value of:

- a. 25 mg/dL (1.4 mmol/L)
- b. 50 mg/dL (2.3 mmol/L)
- c. 100 mg/dL (5.5 mmol/L)
- d. 150 mg/dL (8.3 mmol/L) - ✓✓b (Ratio of CSF glucose to blood glucose)

6) A 25 yr. old man became nauseated and vomited 90 mins after receiving a standard 75 g carbohydrate dose for an oral glucose tolerance test. The best course of action is to:

- a. give the patient a glass of orange juice and continue the test
- b. start the test over immediately with a 50 g carbohydrate dose
- c. draw blood for glucose and discontinue the test
- d. place the patient in a recumbent position, reassure him and continue the test. - ✓✓c (Use of partial GTT information.)

7) Cerebrospinal fluid for glucose assay should be:

- a. refrigerated
- b. analyzed immediately
- c. heated to 56°C
- d. stored at room temperature after centrifugation - ✓✓b (Effect of glycolysis on glucose.)

# Ascp Phlebotomy Study Guide

**David Thompson**



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## **Table of Contents Ascp Phlebotomy Study Guide**

1. Understanding the eBook Ascp Phlebotomy Study Guide
  - The Rise of Digital Reading Ascp Phlebotomy Study Guide
  - Advantages of eBooks Over Traditional Books
2. Identifying Ascp Phlebotomy Study Guide
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Ascp Phlebotomy Study Guide
  - User-Friendly Interface
4. Exploring eBook Recommendations from Ascp Phlebotomy Study Guide
  - Personalized Recommendations
  - Ascp Phlebotomy Study Guide User Reviews and Ratings
  - Ascp Phlebotomy Study Guide and Bestseller Lists
5. Accessing Ascp Phlebotomy Study Guide Free and Paid eBooks
  - Ascp Phlebotomy Study Guide Public Domain eBooks
  - Ascp Phlebotomy Study Guide eBook Subscription Services
  - Ascp Phlebotomy Study Guide Budget-Friendly Options

6. Navigating Ascp Phlebotomy Study Guide eBook Formats
  - ePub, PDF, MOBI, and More
  - Ascp Phlebotomy Study Guide Compatibility with Devices
  - Ascp Phlebotomy Study Guide Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Ascp Phlebotomy Study Guide
  - Highlighting and Note-Taking Ascp Phlebotomy Study Guide
  - Interactive Elements Ascp Phlebotomy Study Guide
8. Staying Engaged with Ascp Phlebotomy Study Guide
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Ascp Phlebotomy Study Guide
9. Balancing eBooks and Physical Books Ascp Phlebotomy Study Guide
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Ascp Phlebotomy Study Guide
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Ascp Phlebotomy Study Guide
  - Setting Reading Goals Ascp Phlebotomy Study Guide
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Ascp Phlebotomy Study Guide
  - Fact-Checking eBook Content of Ascp Phlebotomy Study Guide
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
  - Integration of Multimedia Elements

- Interactive and Gamified eBooks

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radial stress is small and can be neglected

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web the classic equation for hoop stress created by an internal pressure on a thin wall cylindrical pressure vessel is  $\sigma_{\theta} = \frac{p d}{2 t}$  for the hoop stress thin wall pressure vessel hoop stress calculator where  $p$  is the internal pressure  $t$  is the wall thickness  $r$  is the inside radius of the cylinder

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web when a thin walled tube or cylinder is subjected to internal pressure a hoop and longitudinal stress are produced in the wall for the thin walled equations below the wall thickness is less than  $\frac{1}{20}$  of tube or cylinder diameter hoop circumferential stress

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